

## PRODUCT DATA SHEET

### Description

E211 is a 3 Part, moisture tolerant and low temperature cure, self-levelling grout with outstanding high early strength gain and good chemical resistant properties. The aggregate does not settle out thus remaining suspended.

E211 is designed to withstand dynamic loads in various civil applications

### Principal uses

- Precision anchoring of heavy equipment
- Machine and Crane rail grouting
- Ideal as a grout medium where there is excessive vibration
- Grouting of holding down bolts
- Concrete remediation (horizontal substrates)

### Advantages

- Rapid development of physical properties
- Vibration resistant
- Low temperature cure
- Excellent chemical resistance
- Fast return to service
- Self-priming
- High compressive, tensile and flexural strength

### Performance data

*Compressive Properties* *ASTM-D-695*

Compressive strength	>90Mpa	7 days
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*Tensile Properties:ASTM-D-638*

Tensile strength @ 7days	15Mpa
Elongation @ break	2.8%

*Flexural Properties:* *ASTM-D-790*

Flexural strength	>18Mpa
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*Pull-out test: (Concrete failure)*

- 32mm hole diameter, 200mm deep, 3days: 44,82Mpa (6500psi)
- Please note that strengths will change in accordance to depth and diameter of the hole and rebar

### Surface preparation

Remove all loose material, rust and any oil based residue where the product will be applied. This can be done by wire brushing, sanding, grinding or sand blasting the surface

### Pot life & Curing

The product has a 25 minute pot life at an ambient temperature of 25°C. Should the temperature increase, expect an accelerated reaction. In typical applications the product will be touch dry in 8 hours and fully cured in 7 days

### Application

*Mixing-* empty component A and B into a big enough mixing vessel. Using a small trowel, mix component A with component B until uniform colour is achieved. Add component C in small increments to the mix, repeat this until desired consistency is achieved

*Application-* Place the mixed grout immediately after mixing; any delay will reduce the ability of the product to flow. Pour continuously from one side only at a uniform rate until the grout has flowed into position

Care must be taken when pouring the material to ensure that no voids or trapped air are in the filled gap. It is important that sufficient material is always mixed and ready to pour in order to ensure continuous flow. Clean equipment with *Brush Master C830*

### Limitations

Working temperature between 5-30°C

Do not add solvents

Porous substrates must be tested for moisture vapour transmission prior to application

**Note:** The information and specifications provided is to the best of our knowledge. The technical data contained herein are true and accurate at the date of issue and are subject to change without prior notice. No guarantee of accuracy is given or implied. We guarantee our products to conform to Epoxerite quality control. We cannot be held responsible or liable, directly or in indirectly for the use of our products, coverage, performance or injury resulting from use, as we have no control over the method of application used or site conditions. For further technical and method statements, contact our Technical representatives.

## **Safety & Handling**

Epoxy resin components may cause skin irritation. The product is low in acute oral toxicity. At room temperature, there is exposure to vapours from the product that may cause allergic skin reaction in humans. Safe handling can best be accomplished by adhering to the following rules:

- Work in well ventilated areas
- Wear PVC gloves, safety glasses and aprons
- Use soap and water after using epoxies to remove any residue
- In the event of contact with eyes flush with copious amounts of water. Seek immediate medical attention
- Prior to mixing and curing the product is harm full to the environment

## **Packaging**

The product is a 3 component kit

The following kit size is available; 12,8lt (20.55kg) kit

## **Yield**

One 20.55kg kit will yield approximately 12,8l

## **Shelf life & storage instructions**

12 months when stored in a cool dry place, failure to comply with these recommendations will result in a reduction in shelf life

## **Note**

For further instruction please consult your local representative for a method statement on the product

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